

3. A water recycle and recovery system, comprising:
- a) a container for receiving waste water;
  - b) at least one tank;
  - c) means for filtering lint and other similar size particles;
  - d) a multimedia pressure filter comprising at least one tank, each tank containing a plurality of earth media, each media being sized to filter suspended solids of a particular size range;
  - e) an activated carbon filter;
  - f) means for coagulating particles;
  - g) means for disinfecting said waste water;
  - h) at least one pump for pumping water from said at least one tank through said filters; and,
  - i) a controller in electrical communication with said at least one pump.
4. The apparatus of Claim 3, wherein said lint filtering means comprises at least one pressurized filter bag.
5. The apparatus of Claim 3, wherein said lint filtering means comprises at least one vibrating filter screen.

6. The apparatus of Claim 3, wherein said lint filtering means comprises at least one spinning disk having a plurality of grooves defined thereon.
7. The apparatus of Claim 3, wherein said coagulating means comprises means for generating ozone and means for contacting said ozone with said water.
8. The apparatus of Claim 3, wherein said coagulating means comprises a polymer coagulant.
9. The apparatus of Claim 3, wherein said coagulating means comprises a combination of a polymer coagulant and ozone.
10. The apparatus of Claim 8, wherein said polymer is a cationic polymer.
11. The apparatus of Claim 3, wherein said disinfecting means comprises an electromagnetic radiation source.
12. The apparatus of Claim 11, wherein said electromagnetic radiation comprises ultraviolet radiation.
13. The apparatus of Claim 3, further comprising a clay filter.
14. The apparatus of Claim 3, said apparatus having at least 75% total wash water recovery system using a ratio of recycle water produced and reused to laundries normal freshwater usage without recycling.

15. A water recycle and recovery system, comprising:

- a) a container for receiving waste water;
- b) at least one tank;
- c) means for filtering lint and other similar size particles;
- d) a multimedia pressure filter comprising at least one tank, each tank containing a plurality of earth media, each media being sized to filter suspended solids of a particular size range;
- e) a clay filter;
- f) an activated carbon filter;
- g) means for coagulating particles comprising
- i) means for generating ozone and means for contacting said ozone with said water, and
- ii) a cationic polymer coagulant;
- h) a means for generating ultraviolet light for disinfecting said waste water;
- i) at least one pump for pumping water from said at least one tank through said filters; and,
- j) a controller in electrical communication with said at least one pump.

16. The apparatus of Claim 15, wherein said lint filtering means comprises at least one pressurized filter bag.
17. The apparatus of Claim 15, wherein said lint filtering means comprises at least one vibrating filter screen.
18. The apparatus of Claim 15, wherein said lint filtering means comprises at least one spinning disk having a plurality of grooves defined thereon.
19. The apparatus of Claim 15, said apparatus having at least 75% total wash water recovery system using a ratio of recycle water produced and reused to laundries normal freshwater usage without recycling.
20. A process for recycling waste water, comprising:
  - a) providing a container for receiving waste water;
  - b) contacting said waste water with a means for filtering lint and other similar size particles;
  - c) contacting said water of step (b) with a multimedia pressure filter comprising at least one tank, each tank containing a plurality of earth media, each media being sized to filter suspended solids of a particular size range;
  - d) contacting said water of step (c) with an activated carbon filter;
  - e) contacting said water of step (d) with a means for coagulating particles; and,
  - f) contacting said water with a means for disinfecting said water.

21. The process of Claim 20, wherein said lint filtering means comprises at least one pressurized filter bag.
22. The process of Claim 20, wherein said lint filtering means comprises at least one vibrating filter screen.
23. The process of Claim 20, wherein said lint filtering means comprises at least one spinning disk having a plurality of grooves defined thereon.
24. The process of Claim 20, wherein said coagulating means comprises means for generating ozone and means for contacting said ozone with said water.
25. The process of Claim 20, wherein said coagulating means comprises a polymer coagulant.
26. The process of Claim 20, wherein said coagulating means comprises a combination of a polymer coagulant and ozone.
27. The process of Claim 26, wherein said polymer is a cationic polymer.
28. The process of Claim 20, wherein said disinfecting means comprises an electromagnetic radiation source.
29. The process of Claim 28, wherein said electromagnetic radiation comprises ultraviolet radiation.
30. The process of Claim 20, further comprising returning at least a portion of said water of step (f) to be used in a system requiring water.